



Kentec Electronics Ltd.

Operating Instructions

These instructions describe the operation for models of the Kentec 10.25 Amp Power Supply.

Perform the following to utilize LED Status Indicators, Dip Switch Settings, Current Ratings, Input / Output Ratings and to notify the Emergency Contact.

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LED Status Indicators	Describes the LED status for AC Normal, Heartbeat, DC Out On, General Fault, Earth Fault, Battery Low and Battery Disconnected.	2
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Current Ratings	Obtain ratings for the maximum load, battery Ah capacity and battery charge current.	4
Input / Output Ratings	Obtain ratings for the AC line, output voltage and output current.	4
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Part Number - Man-1225, Revision E01.00
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General Information

Post these operating instructions on the front of the cabinet-enclosure or on a separate sheet that can be framed adjacent to the product. Models of the 10.25 Amp Power Supply operate on 115 VAC or 230 VAC and include standard or deep cabinets based on standby-battery capacity. Standard cabinet models of K8140 accept standby-batteries up to 18 AH. Deep cabinet models of K8141 accept standby-batteries up to 40 AH.

LED Status Indicators

Monitor the LED status indicators for AC Normal, Heartbeat, DC Out On, General Fault, Earth Fault, Battery Low and Battery Disconnected:

LED	Description
AC Normal	The AC Normal LED lights green when the AC power is connected.
Heartbeat	The Heartbeat LED flashes yellow when the power supply is functioning.
DC Out On	The DC OUT ON LED lights green when the 24V DC output is functioning.
General Fault	The General Fault LED lights yellow when the charger is not functioning.
Earth Fault	The Earth Fault lights when less than 30K Ohm exists between 24V and ground.
Battery Low	The Battery Low LED lights yellow "continuously" when the standby-battery voltage is at or below 20.4V DC. <i>Standby-batteries are disconnected from the load when the battery voltage drops below 19V DC. This occurs to protect the batteries from a deep discharge condition. A deep discharge condition can permanently damage standby-batteries. Preventing this condition allows standby-batteries to recharge for continued operation after an extended power outage.</i>
Battery Disconnected	The Battery Disconnected LED lights yellow when connections to the standby-batteries are open.



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Dip Switch Settings

Dip switches of the 10.25 Amp Power Supply must be set to provide correct charging of the standby-batteries.

Setting Switches 1 and 2

The table below describes the combined settings of Dip Switches 1 and 2:

Switch 1	Switch 2	Description
Off	Off	Recommended for standard operation
Off	On	EN54-4 compliant
On	Off	Disable fault reporting of disconnected standby-batteries
On	On	Disable fault reporting of the standby-battery impedance test

Setting Switch 3

The table below describes the setting of Dip Switch 3:

Switch 3	Description
On	Sets standby-battery capacity less than or equal to 18 Ah.
Off	Sets standby-battery capacity greater than 18 Ah.

Setting Switch 4

The table below describes the setting of Dip Switch 4:

Switch 4	Description
On	Sets standby-batteries for the Power-Sonic manufacturer.
Off	Sets standby-batteries for the Yuasa manufacturer.



Disabling Battery Indication

Set Dip Switch 1 to the ON position, Dip Switch 3 to the ON position and Dip Switch 4 to the OFF position to disable the disconnected warning indication and to disable operation of the common fault relay.

Disabling the Impedance Test

Set Dip Switch 1 to the ON position and Dip Switch 3 to the OFF position to disable the battery impedance test and fault reporting.

Current Ratings

The table below describes current ratings:

Condition	Description
Maximum Load	0 – 8 Amps
Battery AH Capacity	The 10.25 Amp Power Supply is offered in standard and deep size cabinet styles. Standard-Size cabinets accept standby-batteries up to 18 Ah and Deep-Size cabinets accept standby-batteries up to 40 Ah.
Battery Charge Current	2.25 A maximum

Input / Output Ratings

The table below describes input / output ratings:

Condition	Description
AC Line	120 - 240V AC @ 50 / 60Hz, Supervised, 275 VA Maximum
Output Voltage	24V DC regulated
Output Current	8 Amps maximum



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Notify the Emergency Contact

Contact the company or individual responsible for providing assistance in the event of an emergency:

Name	
Company	
Primary Telephone	
Secondary Telephone	
Address	



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